



---

west virginia department of environmental protection

---

Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone 304/926-0475

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

December 31, 2015

CERTIFIED MAIL  
91 7199 9991 7035 6693 6485

Evan Foster  
3501 NW 63rd Street  
Oklahoma City, OK 73116

RE: Approved Registration G70-A190  
Ascent Resources - Marcellus, LLC  
Hoyt 402  
Facility ID No. 103-00047

Dear Mr. Foster:

The Director has determined that the submitted Registration Application and proposed construction and operation of an oil and natural gas production facility demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G70-A and hereby grants General Permit registration G70-A190 authorizing the proposed activity.

General Permit G70-A can be accessed electronically at [www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx](http://www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx). Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

Please be aware of the actions required in Monitoring Requirements, Testing Requirements, Recordkeeping Requirements, and the Reporting Requirements.

Should you have any questions, please contact the undersigned engineer at (304)926-0499 ext. 1258 or [Caraline.F.Griffith@wv.gov](mailto:Caraline.F.Griffith@wv.gov).

Sincerely,

Caraline Griffith  
Permit Engineer

Enclosures: Registration G70-A190  
c: Grant Morgan - ERM

*West Virginia Department of Environmental Protection  
Division of Air Quality*

*Earl Ray Tomblin  
Governor*

*Randy C. Huffman  
Cabinet Secretary*

**Class II General Permit  
G70-A Registration to Modify**



for the  
Prevention and Control of Air Pollution in regard to the  
Construction, Modification, Relocation, Administrative Update and  
Operation of Oil and Natural Gas Production Facilities  
Located at the Well Site

*The permittee identified at the facility listed below is authorized to  
construct the stationary sources of air pollutants identified herein in accordance  
with all terms and conditions of General Permit G70-A.*

**G70-A190**

**Issued to:**

**Ascent Resources – Marcellus, LLC**

**Hoyt 402**

**103-00047**

A handwritten signature in blue ink, appearing to read "William F. Durham", is written over a horizontal line.

*William F. Durham*

*Director*

*Issued: December 31, 2015*

This Class II General Permit Registration will supersede and replace R13-2966B.

Facility Location: Near Wileyville, Wetzel County, West Virginia  
Mailing Address: 301 NW 63<sup>rd</sup> Street  
Oklahoma City, OK 73116  
Facility Description: Natural-Gas Production Facility  
NAICS Codes: 211111  
UTM Coordinates: 529.945 km Easting • 4,383.165 km Northing • Zone 17S  
Permit Type: Modification  
Desc. of Change: The Hoyt 402 natural gas production site will remove the existing vapor recovery unit (VRU) and increase the flare operating hours from 450 to 8,760 hours. Fluid throughputs are updated to reflect recent production records.

Subject to 40CFR60, Subpart OOOO? Yes

Subject to 40CFR60, Subpart JJJJ? No

Subject to 40CFR63, Subpart ZZZZ? No

Subject to 40CFR63, Subpart HH? No

*Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.*

---

*The source is not subject to 45CSR30.*

---

### Permit Section Applicability for the Registrant

*All registered facilities under General Permit G70-A are subject to Sections 1.0, 2.0, 3.0, and 4.0 of General Permit G70-A.*

The following additional sections of General Permit G70-A apply to the registrant:

Section 5	Natural Gas Well Affected Facility	<input checked="" type="checkbox"/>
Section 6	Storage Vessels*	<input checked="" type="checkbox"/>
Section 7	Gas Production Units, In-Line Heaters, Heater Treaters, and Glycol Dehydration Reboilers	<input checked="" type="checkbox"/>
Section 8	Pneumatic Controllers Affected Facility (NSPS, Subpart OOOO)	<input type="checkbox"/>
Section 9	<i>Reserved</i>	<input type="checkbox"/>
Section 10	Natural Gas-Fired Compressor Engine (s) (RICE)**	<input type="checkbox"/>
Section 11	Tank Truck Loading Facility***	<input checked="" type="checkbox"/>
Section 12	Standards of Performance for Storage Vessel Affected Facilities (NSPS, Subpart OOOO)	<input type="checkbox"/>
Section 13	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS, Subpart JJJJ)	<input type="checkbox"/>
Section 14	Control Devices not subject to NSPS, Subpart OOOO	<input checked="" type="checkbox"/>
Section 15	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40CFR63, Subpart ZZZZ)	<input type="checkbox"/>
Section 16	Glycol Dehydration Units	<input type="checkbox"/>
Section 17	Dehydration Units With Exemption from NESHAP Standard, Subpart HH § 63.764(d) (40CFR63, Subpart HH)	<input type="checkbox"/>
Section 18	Dehydration Units Subject to NESHAP Standard, Subpart HH and Not Located Within an UA/UC (40CFR63, Subpart HH)	<input type="checkbox"/>
Section 19	Dehydration Units Subject to NESHAP Standard, Subpart HH and Located Within an UA/UC (40CFR63, Subpart HH)	<input type="checkbox"/>

\* The registrant may also be subject to the applicable control device requirements of Section 12 if the registrant is subject to the NSPS, Subpart OOOO control requirements or may be subject to the control device requirements of Section 14.

\*\* The registrant may also be subject to the applicable RICE requirements of Section 13 and/or Section 15.

\*\*\* The registrant may also be subject to the applicable control device requirements of Section 14.

**1.0 Emission Units Table**

Emission Unit ID	Emission Point ID	Emission Unit Description (Mfg., Model, Serial No., Engine type 2SLB, 4SLB, 4SRB, etc.)	Control Device ID	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G70-A Applicable Sections
S01-S06	E01-E06	Six (6) GPU Burners	NA	2012	1.50 (Each)	mmBTU/hr	7
S17-S18	E17-E18	Two (2) Flash Separator Heaters	NA	2013	0.75 (Each)	mmBTU/hr	7
S07-S08	E19	Two (2) Condensate Tanks	C01	2012	178	bbl	6
S11-S18	E19	Eight (8) Produced Water Tanks	C01	2012	21Q	bbl	6
S20	E20/E19	Condensate Truck Loading	C01	2012	NA	NA	11
S21	E21/E19	Produced Water Truck Loading	C01	2012	NA	NA	11
Control Devices (If applicable)							
Control Device ID	Control Efficiency %	Control Device Description (Mfg, Model)	Year Installed / Modified	Max. Design Capacity	Design Capacity Unit of Measure	G-70A Applicable Sections	
C01	98%	Hero Flare G30U4	2013	8	mmBTU/hr	14	
Emission Reduction Systems						Yes or No	G-70A Applicable Sections
Was a vapor recovery system (VRU) used to determine emission limits?						No	--
Was a low pressure tower(s) used to determine emission limits?						No	--

### 2.0 Oil and Natural Gas Wells Table

API number	API number	API number
47-103-026410000	47-103-026460000	
47-103-026420000		
47-103-026430000		
47-103-026440000		
47-103-0263450000		

### 3.0 Emission Limitations

Unit ID	Unit Description	Pollutant	lb/hr	TPY
S01-S06	Six (6) GPU Burners 1.5 mmBTU/hr	VOC	0.04	0.18
		NOx	0.72	3.06
		CO	0.60	2.58
S17-S18	Two (2) Condensate Heaters 0.75 mmBTU/hr	VOC	<0.01	0.02
		NOx	0.12	0.56
		CO	0.10	0.42
S07-S08	Two (2) Condensate Tanks	VOC	0.06	0.25
S09-S16	Eight (2) Produced Water Tanks	VOC	0.01	0.06
S19	Hero Flare G30U4	VOC	0.11	0.47
		NOx	0.62	2.73
		CO	0.52	2.30

### 4.0 Throughput Limitations

Throughput limits are on a 12-month rolling total basis.

Emission Unit ID	Emission Point ID	Emission Unit Description	Annual Throughput Limit
S20	E20/E19	Condensate Truck Loading	91,980 gal/year
S21	E21/E19	Produced Water Truck Loading	2,391,480 gal/year